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Listing of Claims:

1. (Presently Amended) An electronic testing device comprising:
 - a housing;
 - a display visible from outside the housing, the display comprising a voltage level indicator, a voltage type to indicate whether the voltage is AC or DC and a polarity indicator to indicate the polarity of a DC voltage, and a voltage sense indicator;
 - a voltage polarity and type detection circuit electrically coupled to the voltage type and polarity indicator;
 - a pair of electrical contact test probes connected to the voltage polarity and type detection;
 - a voltage range scaling circuit for providing a scaled output signal indicative of the voltage applied between the pair of probes, the scaled output signal being electrically coupled to the voltage level indicator;
 - a non-contact voltage sensor; and
 - a non-contact AC voltage detect circuit electrically coupled to the non-contact sensor and to the voltage sense indicator for indicating that the non-contact voltage sensor is placed in the presence of a an AC voltage.
2. (Original) The electrical testing device as defined in claim 1, further comprising a switch for selectively activating the non-contact voltage detection circuit.

3. (Original) The electrical testing device as defined in claim 1, wherein the non-contact voltage detect circuit is electrically coupled to at least one of the electrical contact probes and to the voltage sense indicator for indicating that the electrical contact probe is electrically coupled to a conductor with a voltage impressed thereon.

4. (Original) The electrical testing device as defined in claim 1, wherein the non-contact voltage sensor comprises a conductive element which capacitively couples to an AC voltage carried by a conductor.

5. (Original) The electrical testing device as defined in claim 6, wherein the voltage range scaling circuit comprises an impedance divider capacitively coupled between the electrical contact probes for attenuating an AC voltage impressed between the electrical contact probes differently from a DC voltage impressed between the terminals.

6. (Original) The electrical testing device as defined in claim 1, further comprising a programmable controller, wherein each of the display, the voltage polarity and type detection circuit, the voltage range scaling circuit, and the voltage detect circuit are electrically coupled to the programmable controller, and the programmable controller is programmed to receive data from each of the voltage polarity and type circuit, the voltage scaling circuit, and the voltage detect circuit, and to transmit signals to the display to provide a visual indicator to the user.

7. (Original) The electrical testing device as defined in claim 6, wherein the programmable controller includes a sleep mode such that the device defaults to a low power inactive mode unless the microprocessor receives any of a plurality of inputs.

8. (Original) The electrical testing device as defined in claim 1, further comprising at least one magnet coupled to the housing.

9. (Original) The electrical testing device as defined in claim 1, wherein the housing comprises an impact resistant molded rubberized material.

10. (Original) The electrical testing device as defined in claim 1, further comprising an acoustic circuit, the acoustic circuit being electrically coupled to one or more of the continuity check circuit and the AC voltage detect circuit to provide an acoustic output when a predetermined condition is met.

11. (Original) The electrical testing device as defined in claim 1, further comprising a continuity check circuit.

12. (Original) The electrical testing device as defined in claim 1, wherein said non-contact voltage sensor is contained within a projection of the housing.

13. (Presently Amended) An electronic testing device comprising:

a housing;

a display, the display comprising a voltage range indicator and a voltage type to indicate whether the voltage is AC or DC and a polarity indicator to indicate the polarity of a DC voltage;

a voltage polarity and type detection circuit electrically coupled to the voltage type and polarity indicator;

a pair of electrical contact test probes electrically coupled to the voltage polarity and type detection circuit;

a voltage range scaling circuit for providing a scaled output signal indicative of the voltage applied between the pair of probes, the scaled output signal being electrically coupled to the voltage level indicator; and

a an AC voltage detect circuit electrically coupled to at least one of the pair of electrical testing probes and to the voltage sense indicator for indicating when the electrical testing probe has been electrically coupled to a conductor having a an AC voltage impressed thereon, even when the other of the pair of electrical testing probes is not contacting any conductor.

14. (Original) The electrical testing device as defined in claim 13, further comprising a non-contact voltage sensor electrically coupled to the voltage detect circuit, the non-contact voltage sensor supplying a signal to activate the voltage detect circuit when the voltage sensor is placed in an electromagnetic field associated with a voltage.

15. (Original) The electrical testing device as defined in claim 13, further comprising a non-contact voltage indicator.

16. (Original) The electrical testing device as defined in claim 13, further comprising a non-contact voltage sensor electrically coupled to the voltage detect circuit, the non-contact voltage sensor supplying a signal to activate the voltage detect circuit when the non-contact voltage sensor is capacitively coupled to a nearby conductor having a voltage impressed thereon.

Claims 17-25 (Cancelled)

26. (Presently Amended) An electrical testing device, comprising:

- a housing;
- a display visible from outside of said housing;
- a pair of test probes;
- a voltage sensing circuit contained within said housing and electrically connected to said test probes and to said display, said voltage sensing circuit detecting when said test probes are electrically coupled each to a different one of two conductors between which a an AC or DC voltage difference exists and outputting a signal to said display which indicates to a user the magnitude of the voltage between the conductors;
- a non-contact voltage sensor;
- a voltage sense indicator; and

a non-contact AC voltage sense circuit for detecting when said non-contact voltage sensor is capacitively coupled to a conductor carrying a an AC voltage and outputting a signal to said voltage sense indicator to indicate to a user that said AC voltage is sensed.

27. (Original) An electrical testing device as defined in claim 26, wherein said non-contact voltage sensor is in a projection of the housing.

28. (Original) An electrical testing device as in claim 26, further comprising circuitry that indicates to a user when a single one of the probes is placed in contact with a conductor on which a voltage is impressed.

29. (Presently Amended) An electrical testing device, comprising:

- a housing;
- a display visible from outside of said housing;
- a pair of test probes;
- a voltage sensing circuit contained within said housing and electrically connected to said test probes and to said display, said voltage sensing circuit detecting when said test probes are electrically coupled each to a different one of two conductors between which a an AC or DC voltage difference exists and outputting a signal to said display which indicates to a user the magnitude of the voltage between the conductors;
- a voltage sense indicator; and

a single probe voltage sense circuit for sensing when a single one of said probes is in electrical contact with a conductor having a an AC voltage impressed on it, said single probe voltage sense circuitry producing a signal which indicates to a user of the device that said conductor has a an AC voltage impressed on it.